

**Notice of Allowability**

Application No.

10/822,271

Applicant(s)

LENELL ET AL.

Examiner

Art Unit

Tuan C. To

3663

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 03/27/06.
2. ☒ The allowed claim(s) is/are 1-17 and 23-41.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Leslie Jae Lenell on May 11, 2006:

Claims 18-22 have been canceled. Claims 16 and 17 were previously withdrawn. They are dependent on claim 1, thus they are now allowable as well.

In claim 1, lines 7, 8, 10, 12, 18, 21, 24, 27, 37, 39, 41, 43, 46, 55, 58, 60, 69, 73, 75, 77, 81, 82, and 85, after "aircraft", "(a)" has been deleted.

In claim 1, lines 18, 26, 40, 57, 78, 81, after "simulator", "(b)" has been deleted.

In claim 1, line 45, after "interface unit", "(g)" has been deleted.

In claim 1, line 59, after "electronic interfaces", "(g) and (h)" has been deleted.

In claim 1, line 82, after "unique ID", "(j)" has been deleted.

In claim 1, line 83, after "ground-based simulator", "(d)" has been deleted.

In claim 10, line 5, after "communication system", "(a)" has been deleted.

In claim 12, line 4, after "operational aircraft", "(a)" has been deleted.

In claim 23, lines 4, 9, 14, after "aircraft", "(a)" has been deleted.

In claim 23, line 12, before "that is on autopilot", "(a)" has been deleted; same line, after "other aircrafts", "(c)" has been deleted.

In claim 23, line 16, after "process", "(d)" has been deleted.

In claim 23, line 17, after "operational aircraft", "(c)" has been deleted.

In claim 24, line 10, after "B)", "June 25, 2002, RTCA/DO-242-A to ATC/M for maintaining safety" has been deleted; same line after "B)", "." has been inserted.

In claim 26, line 1, "which includes all" has been deleted.

In claim 26, line 2, "of the limitations of claim 4, claim 5, claim 6 and claim 14," has been deleted.

In claim 41, line 5, after "control parameters", "(e.g.:" has been deleted.

In claim 41, line 6, before "required by ATC/M", "3 d position and attitude" has been deleted.

#### **EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE**

This communication is an Examiner's reasons for allowance in response to application filed on 04/10/04, assigned serial 10/822,271 and titled "Safelander"

The following is the Examiner's statement of reasons for the indication of allowable subject matter:

The examiner has searched a plurality of fields that are relevant to the subject matter of the claimed invention, but none of the prior art has been found teaches or suggests a remote piloting system configured for an onboard, manned piloted aircraft comprising:

"a sensor multiplexer receiver and transmitter means located onboard aircraft for accepting said aircraft performance and control parameters that are required by a ground-based simulator to replicate the major control and performance states of aircraft, and then, when necessary, convert said performance and control parameters

into digital format, add a unique aircraft identification, ID, to an outgoing radio frequency, RF, signal and broadcasting said outgoing RF signal to a Central Ground based processing Station (CGBS) which then transfers the aircraft performance and control data to a ground-based aircraft simulator; a ground-based aircraft simulator digital processor/computer that is configured to provide the computational and conversion capability to dynamically reproduce displays that exist in the operational aircraft onto the displays in the simulator and converts the remote piloting controls of the ground-based simulator for conning/guiding operational aircraft".

For that reason, the application is now allowable.

### ***Conclusions***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan C To whose telephone number is (571) 272-6985. The examiner can normally be reached on from 8:00AM to 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Keith can be reached on 571-272-6878.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should

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you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/tc

May 11, 2006

  
JACK KEITH  
SUPERVISORY PATENT EXAMINER